PIONEER®
The Art of Entertainment

Service Manual

ORDER NO.
ARP2590

PROJECTION MONITOR RECEIVER

SD-P5006

S

- **Refer to the service manuals ARP2564 for Electrical information, ARP2565 for Mechanical information and ARP2566 for Adjustment information.**
- **This manual is applicable to SD-P5006/S.**

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1. CHARGED SECTION AND HIGH VOLTAGE GENERATING POINT

■ Charged section

The circuit in which the commercial AC power is used as it is without passing through the power supply transformer. If the charged section is touched, there is a risk of electric shock. In addition, the measuring equipment can be damaged if it is connected to the GND of the charged section and the GND of the non-charged section while connecting the set directly to the commercial AC power supply. In this case, be sure to connect the set via an insulated transformer and supply the current.

■ Charged section (Power supply primary side)

1. The primary side of the POWER SUPPLY assembly
2. AC power cord
3. Power transformer
4. LINE FILTER assembly
5. Voltage selector

part is the charged section.
part is the high voltage generating points other than the charged section.

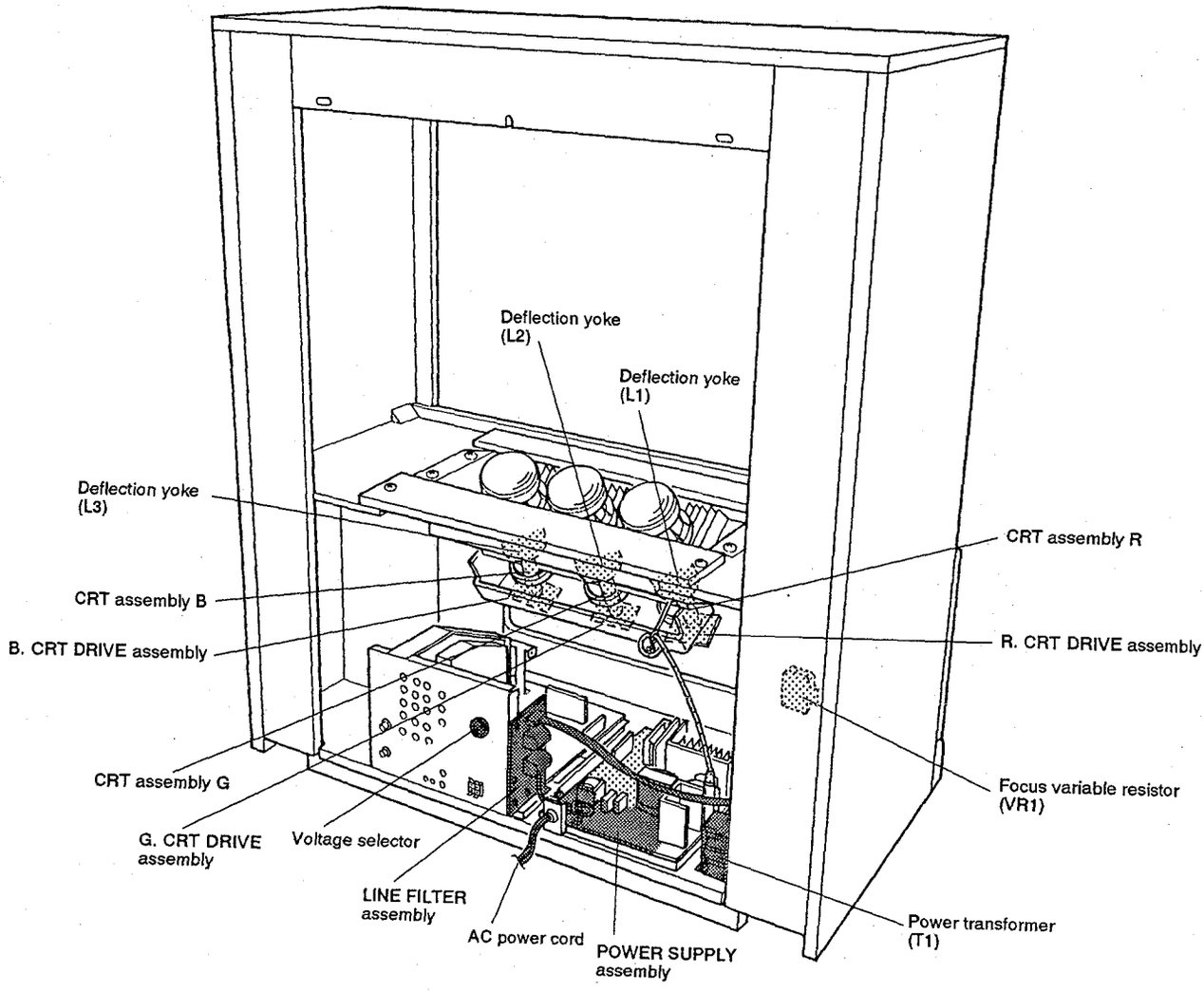


Fig. 1 Charged section and high voltage generating point

2. MECHANICAL INFORMATION

2.1 CONTRAST OF MISCELLANEOUS PARTS

NOTES:

- *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *Parts marked by " ◉ " are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.*
- *Parts marked by ☆ are important parts which relate to X-rays radiation.*
  If any of these parts need to be replaced, always replace with specified parts.

SD-P5006/S and SD-P5065-K/KUX1C have the same construction except for the following:

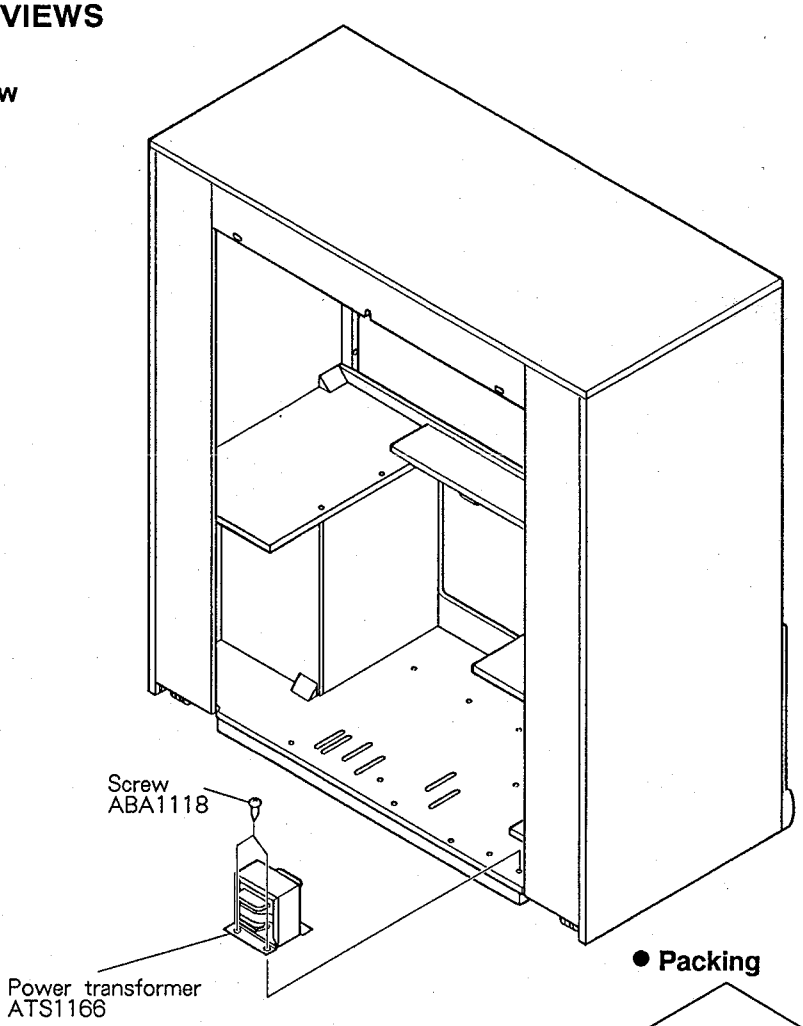
Mark	Symbol & Description	Part No.		Remarks
		SD-P5065-K/KUX1C	SD-P5006/S	
	TUNER-VIDEO assembly	AWV1246	AWV1271	
☆	POWER SUPPLY assembly	AWV1281	AWV1295	
	LINE FILTER assembly	• • • • •	AWT1010	*1
	VIDEO INPUT assembly	AWZ4183	AWZ4520	
	Y/C SELECTOR assembly	AWZ4186	AWZ4244	
	AV I/O-PINP-Y/C SEP assembly	AWZ4182	AWZ4195	
	POWER AMP assembly	AWZ4193	• • • • •	
	EXT. SP assembly	AWZ4194	• • • • •	
	DOL. PRO. MOD.	AXQ1009	• • • • •	
	Control sheet	AAK2342	AAK2344	
	Door	AAN1325	AAN1355	
	Screw	ABA1080	BYC40P250FMC	For back cover panel
	Screw	BMZ40P160FZB	ABA1118	*1 For power transformer
	Screw	ABA1126	BYC40P180FMC	For caster
	Screw	ABZ30P080FZK	ABZ30P120FZK	For tray [(6) CRT Block]
	Upper pad L	AHA1510	AHA1497	
	Upper pad R	AHA1511	AHA1498	
	Under pad L	AHA1512	AHA1499	
	Under pad R	AHA1513	AHA1500	
	Cushion (For under carton)	AHA1519	• • • • •	
	Upper carton	AHD2301	AHD2314	*1
	Under carton (50)	AHD2302	AHD2313	
	Tube	• • • • •	AHD2315	*1
⚠	Voltage selector (AC110/120/220/240V)	• • • • •	AKX-502	*1
NSP	Blind plate	AMM1829	AMM1716	
NSP	Back cover panel	AMM1742	AMM2027	
	Caster	AMR2329	AMR1117	
	Mirror (50)	AMR1521	• • • • •	
	Mirror	• • • • •	AMR1425	
NSP	Rear panel	ANC1874	ANC1926	
NSP	Dolby amp stand	ANG1642	• • • • •	
	Cone speaker	APV1021	APV1013	
	Operating instructions (English)	ARB1373	ARB1398	
	Attention card	ARM1054	• • • • •	
⚠	Power transformer	ATS1418	ATS1166	*1
	Remote control unit (CU-SD062)	AXD1277	• • • • •	
	Remote control unit (CU-SD069)	• • • • •	AXD1292	
	Screw	BBZ30P120FZK	BBZ30P080FZK	For focus VR
	Screw	BYC40P180FZK	BYC40P200FMC	For center frame stay, etc.
	Screw	• • • • •	MTZ30P100FZK	*1 For voltage selector

*1 : Refer to section 2.2 EXPLODED VIEWS.

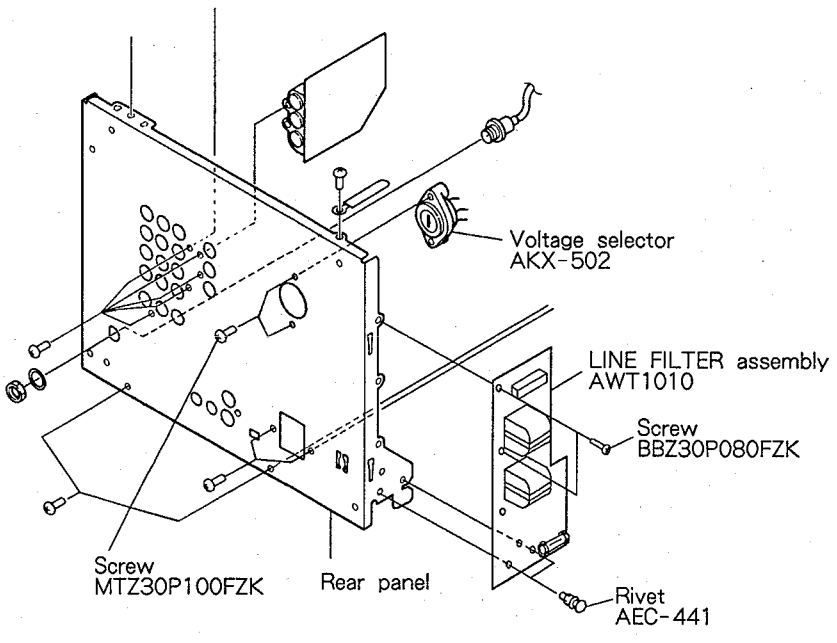
- For PCB assemblies and remote control unit, refer to " 3. ELECTRICAL INFORMATION ".

2.2 EXPLODED VIEWS

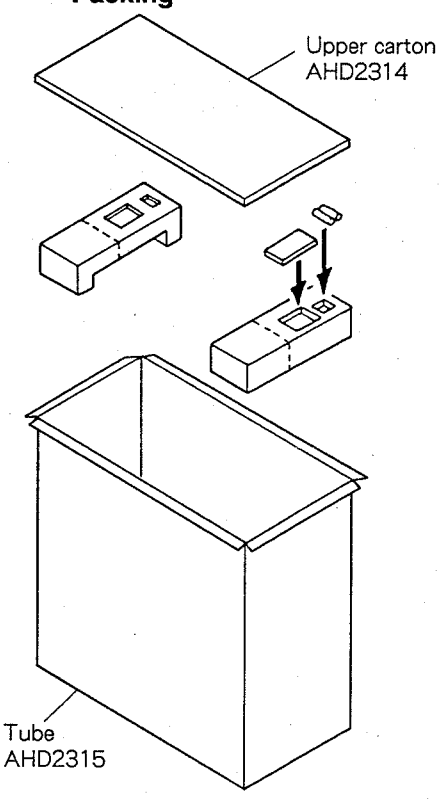
● **Rear View**



● **Chassis Block**



● **Packing**



3.ELECTRICAL INFORMATION

3.1 PCB PARTS LIST

NOTES:

- *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *Parts marked by "◉" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.*
- *When ordering resistors, first convert resistance values into code form as shown in the following examples.*

Ex.1 When there are 2 effective digits(any digit apart from 0), such as 560 ohm and 47k ohm(tolerance is shown by J=5%, and K=10%).

560 Ω → 56 × 10¹ → 561 ····· RD1/8PM 5 6 1 J
47k Ω → 47 × 10³ → 473 ····· RD1/4PS 4 7 3 J
0.5 Ω → 0R5 ····· RN2H 0 R 5 K
1 Ω → 010 ····· RS1P 0 1 0 K

Ex.2 When there are 3 effective digits(such as in high precision metal film resistors).

5.62k Ω → 562 × 10¹ → 5621 ····· RN1/4PC 5 6 2 1 F

- *Parts marked by ☆ are important parts which relate to X-rays radiation. If any of these parts need to be replaced, always replace with specified parts.*
- *Parts marked by ✕ are important parts which relate to X-rays radiation. If a failure occurs in any of these parts, replace the printed circuit board assembly where the relevant part has already been adjusted as a working component. Do not replace the actual part itself. If any part marked by ✕ is replaced, there is danger of being exposed to X-rays.*

LIST OF ASSEMBLIES

Mark	No.	Description		Part No.
		TUNER-VIDEO ASSEMBLY		AWV1271
☆		POWER SUPPLY ASSEMBLY		AWV1295
		CONVERGENCE ASSEMBLY	*	AWZ4178
		R. CRT DRIVE ASSEMBLY	*	AWZ4179
		G. CRT DRIVE ASSEMBLY	*	AWZ4180
		B. CRT DRIVE ASSEMBLY	*	AWZ4181
		VIDEO INPUT ASSEMBLY	*	AWZ4520
		AUDIO SELECTOR ASSEMBLY	*	AWZ4185
		Y/C SELECTOR ASSEMBLY	*	AWZ4244
		PINP SELECTOR ASSEMBLY	*	AWZ4188
		AV I/O-PINP-Y/C SEP ASSEMBLY	*	AWZ4195
		REC MUTE ASSEMBLY	*	AWZ4470
		W FRONT CONTROL ASSEMBLY	*	AWZ4189
		RECEIVER ASSEMBLY	*	AWZ4190
☆		V-AMP ASSEMBLY	*	AWZ4191
		A CONNECTOR ASSEMBLY	*	AWZ4211
		B CONNECTOR ASSEMBLY	*	AWZ4212
		MICROCOMPUTER ASSEMBLY	*	AWZ4231
		LINE FILTER ASSEMBLY		AWT1010

Note :

PCB parts with * are described in the service manual ARP2564 for Electrical information.

TUNER-VIDEO ASSEMBLY (AWV1271)

● VIDEO SECTION
SEMICONDUCTORS

Mark	No.	Description	Part No.
	IC252	LOGIC IC	MC14011BCP
	IC253	REGULATOR IC	NJM7809FAS
	IC254	JUNGLE IC FOR NTSC	TA8801AN
	Q231	TRANSISTOR	2SC1740S
	Q232-234	TRANSISTOR	2SA933S
	Q235-237	TRANSISTOR	2SC1740S
	Q238-242	TRANSISTOR	2SA933S
	Q243-245	TRANSISTOR	2SC1740S
	Q246	TRANSISTOR	2SA933S
	Q247	TRANSISTOR	2SC1740S
	Q248, 249	TRANSISTOR	2SA933S
	Q250, 251	TRANSISTOR	2SC1740S
	Q256, 257	TRANSISTOR	2SC1740S
	Q264, 265	TRANSISTOR	2SC1740S
	Q270-274	TRANSISTOR	2SC1740S
	Q275	TRANSISTOR	2SA933S
	Q276-279	TRANSISTOR	2SC1740S
	Q280	TRANSISTOR	2SA933S
	Q281	TRANSISTOR	2SC1740S
	Q282	TRANSISTOR	2SA933S
	Q283	TRANSISTOR	2SC1740S
	Q284, 285	TRANSISTOR	2SA933S
	Q286	TRANSISTOR	2SC1740S
	Q288	TRANSISTOR	2SA933S
	Q289	TRANSISTOR	2SC1740S
	Q290	TRANSISTOR	2SA933S
	Q291-294	TRANSISTOR	2SC1740S
	Q295, 296	N-FET	2SK246
	Q297, 298	TRANSISTOR	2SA933S
	Q299	N-FET	2SK246
	Q300	TRANSISTOR	2SA933S

Mark	No.	Description	Part No.
	D231-235	ZENER DIODE	RD15ESB
	D236, 237	DIODE	1SS252
	D238	ZENER DIODE	RD15ESB
	D239, 240	DIODE	1SS252
	D241-243	ZENER DIODE	RD15ESB
	D251	ZENER DIODE	HZS11A1L
	D253-258	DIODE	1SS252
	D259	ZENER DIODE	RD15ESB
	D260-263	DIODE	1SS252
	D265	DIODE	1SS252
	D267-275	DIODE	1SS252
	D278-281	DIODE	1SS252
	D282-287	DIODE	11E2
	D288-290	DIODE	1SS252
	D291	ZENER DIODE	RD15ESB
	D292	DIODE	1SS252
	D297, 298	ZENER DIODE	RD15ESB
	D299	DIODE	1SS252
	D300	ZENER DIODE	RD15ESB
COILS			
	L254	AXIAL INDUCTOR	LAU680K
	L255	AXIAL INDUCTOR	LAU3R9K
	L256	AXIAL INDUCTOR	LAU1R8M
	L257	AXIAL INDUCTOR	LAU3R9K
	L260-262	AXIAL INDUCTOR	LAU4R7K
CAPACITORS			
	C331	ELECT. CAPACITOR	CEAS2R2M50
	C332	ELECT. CAPACITOR	CEAS010M50
	C334	CERAMIC CAPACITOR	CCCSL121J50
	C335, C336	CERAMIC CAPACITOR	CKCYB391K50
	C337	CERAMIC CAPACITOR	CCCSL820J50
	C338	MYLAR FILM CAPACITOR	CQMA681K50
	C339	CERAMIC CAPACITOR	CCCCH151J50
	C340	ELECT. CAPACITOR	CEAS470M25
	C341	ELECT. CAPACITOR	CEAS010M50
	C342	CERAMIC CAPACITOR	CCCCH151J50
	C343	CERAMIC CAPACITOR	CKCYF473Z50
	C344	CERAMIC CAPACITOR	CKCYB562K50
	C345	ELECT. CAPACITOR	CEAS2R2M50
	C346	ELECT. CAPACITOR	CEAS471M10
	C347	ELECT. CAPACITOR	CEAS100M50
	C348	ELECT. CAPACITOR	CEAS010M50
	C349	ELECT. CAPACITOR	CEAS470M25
	C350	CERAMIC CAPACITOR	CKCYF473Z50
	C351	ELECT. CAPACITOR	CEANP4R7M50
	C352	ELECT. CAPACITOR	CEAS102M16
	C353	ELECT. CAPACITOR	CEAS010M50
	C354	ELECT. CAPACITOR	CEAS101M25
	C355	CERAMIC CAPACITOR	CKCYF473Z50
	C356	ELECT. CAPACITOR	CEAS101M10
	C357	CERAMIC CAPACITOR	CKCYF473Z50
	C358	ELECT. CAPACITOR	CEAS2R2M50
	C359	MYLAR FILM CAPACITOR	CQMA103K50
	C360	ELECT. CAPACITOR	CEAS2R2M50
	C361	AUDIO FILM CAPACITOR	CFTXA104J50
	C362	CERAMIC CAPACITOR	CKCYF103Z50

Mark	No.	Description	Part No.
	C363	ELECT. CAPACITOR	CEAS2R2M50
	C364	CERAMIC CAPACITOR	CKCYF103Z50
	C365	AUDIO FILM CAPACITOR	CFTXA104J50
	C367	ELECT. CAPACITOR	CEASR47M50
	C368	MYLAR FILM CAPACITOR	CQMA124K50
	C370	MYLAR FILM CAPACITOR	CQMA223K50
	C371	CERAMIC CAPACITOR	CKCYF103Z50
	C372	ELECT. CAPACITOR	CEAS100M50
	C373	MYLAR FILM CAPACITOR	CQMA223K50
	C375	ELECT. CAPACITOR	CEAS100M50
	C376	CERAMIC CAPACITOR	CKCYF103Z50
	C377	ELECT. CAPACITOR	CEAS100M50
	C379	CERAMIC CAPACITOR	CCCCH100D50
	C381	MYLAR FILM CAPACITOR	CQMA472K50
	C382	ELECT. CAPACITOR	CEAS2R2M50
	C384	MYLAR FILM CAPACITOR	CQMA183K50
	C385, 386	ELECT. CAPACITOR	CEAS101M25
	C387	CERAMIC CAPACITOR	CCCSL101J50
	C388-390	ELECT. CAPACITOR	CEANP010M50
	C391, 392	ELECT. CAPACITOR	CEAS100M50
	C393	CERAMIC CAPACITOR	CCCSL221J50
	C396	CERAMIC CAPACITOR	CKCYB331K50
	C397	CERAMIC CAPACITOR	CCCSL121J50
	C398	CERAMIC CAPACITOR	CKCYB561K50
	C399-401	CERAMIC CAPACITOR	CCCSL151J50
	C402	ELECT. CAPACITOR	CEAS330M35
	C403	ELECT. CAPACITOR	CEAS101M25
	C405	CERAMIC CAPACITOR	CKCYF473Z50
	C406	CERAMIC CAPACITOR	CCCSL270J50
RESISTORS			
	VR251	SEMI-FIXED (100Ω)	ACP1037
	VR252	SEMI-FIXED (220Ω)	ACP1038
	VR253	SEMI-FIXED (4.7kΩ)	ACP1042
⚠	R1556	CARBON FILM RESISTOR	RD1/4PMFL3R9J
⚠	R1561	METAL OXIDE RESISTOR	RS2LMF3R9J
⚠	R1577	METAL OXIDE RESISTOR	RS2LMF3R3J
	R1694	CARBON FILM RESISTOR	RD1/2PM270J
	R1698, 1699	CARBON FILM RESISTOR	RD1/2PM100J
	R1715	CARBON FILM RESISTOR	RD1/2PM100J
	R1716	CARBONFILM RESISTOR	RD1/2PM271J
	R1719, 1720	CARBONFILM RESISTO	RD1/2PM271J
	R1721, 1722	CARBON FILM RESISTOR	RD1/2PM100J
		OTHER RESISTORS	RD1/8PM□□□J
OTHERS			
	X251	CERAMIC RESONATOR (503kHz)	ASS1019
	X252	CRYSTAL RESONATOR (3.579545MHz)	ASS1020

Mark	No.	Description	Part No.
	● CONTROL SECTION		
	SEMICONDUCTORS		
	IC451	TV CONTROL MICROCOMPUTER	PD5185B
	IC452	EEPROM	X24C04P
	IC453	SYSTEM RESET IC	MC34064P
	IC454	LOGIC IC	MC14051BCP
⚠	Q445, 446	TRANSISTOR	2SC1740S
⚠	Q450-453	TRANSISTOR	2SC1740S
⚠	Q454	TRANSISTOR	2SA933S
⚠	Q455	TRANSISTOR	2SC1740S
	Q456-458	TRANSISTOR	XDC143ES
⚠	Q459	TRANSISTOR	2SC1740S
⚠	Q460	TRANSISTOR	2SA933S
⚠	Q461	TRANSISTOR	2SD438
⚠	Q462	TRANSISTOR	2SC1740S
	Q463	TRANSISTOR	2SC3732
	Q464-466	TRANSISTOR	XDC143ES
⚠	Q467-469	TRANSISTOR	2SC1740S
⚠	Q470	TRANSISTOR	2SA933S
⚠	Q471	TRANSISTOR	2SC1740S
⚠	Q472, 473	TRANSISTOR	2SC3732
⚠	Q474	TRANSISTOR	2SC1740S
	Q479	TRANSISTOR	XDC124ES
⚠	Q480-482	TRANSISTOR	2SC1740S
⚠	Q483-485	TRANSISTOR	2SA933S
⚠	Q486	TRANSISTOR	2SC1740S
⚠	Q487-492	TRANSISTOR	2SA933S
	Q493	TRANSISTOR	XDC143ES
⚠	Q495	TRANSISTOR	2SC1740S
	D401-404	ZENER DIODE	RD6.8ESB
	D405-410	ZENER DIODE	RD15ESB
	D411-419	ZENER DIODE	RD6.8ESB
	D423-429	ZENER DIODE	RD6.8ESB
	D450-454	DIODE	1SS252
	D455	ZENER DIODE	RD5.6ESB2
	D456-459	DIODE	1SS252
	D460	ZENER DIODE	RD5.1ESB2
	D461-468	DIODE	1SS252
	D469	ZENER DIODE	RD6.8ESB
	D470-478	DIODE	1SS252
	D480-483	ZENER DIODE	RD6.8ESB
	D485	ZENER DIODE	RD15ESB
	D486-488	ZENER DIODE	RD6.8ESB
	D490-493	ZENER DIODE	RD6.8ESB
	COIL		
	L401	AXIAL INDUCTOR	LAU220K
	CAPACITORS		
	TC401	CERAMIC TRIMMER (9.8p to 60P)	ACM-020
	C951	CERAMIC CAPACITOR	CKCYB103K50
	C952	CERAMIC CAPACITOR	CKDYF473Z50
	C953	ELECT. CAPACITOR	CEAS010M50
	C954	CERAMIC CAPACITOR	CKCYB103K50
	C955	CERAMIC CAPACITOR	CKCYB222K50
	C956	ELECT. CAPACITOR	CEAS101M10
	C957	CERAMIC CAPACITOR	CKCYF473Z50

Mark	No.	Description	Part No.
	C959	CERAMIC CAPACITOR	CKCYB103K50
	C960	CERAMIC CAPACITOR	CCCCH120J50
	C961	CERAMIC CAPACITOR	CCCCH150J50
	C962	CERAMIC CAPACITOR	CKCYF473Z50
	C963	ELECT. CAPACITOR	CEAS101M10
	C964	ELECT. CAPACITOR	CEAS0R1M50
	C967	CERAMIC CAPACITOR	CKCYF473Z50
	C968-970	ELECT. CAPACITOR	CEAS2R2M50
	C971-976	ELECT. CAPACITOR	CEAS010M50
	C977	CERAMIC CAPACITOR	CKCYB103K50
	C979	CERAMIC CAPACITOR	CCCSL150J50
	C980, 981	CERAMIC CAPACITOR	CCCSL330J50
	C982	ELECT. CAPACITOR	CEAS100M50
	C983	CERAMIC CAPACITOR	CKCYF473Z50
	C984	CERAMIC CAPACITOR	CKCYB103K50
	C985	ELECT. CAPACITOR	CEAS010M50
	C986	ELECT. CAPACITOR	CEAS0R1M50
	C987	ELECT. CAPACITOR	CEAS470M25
	C988	CERAMIC CAPACITOR	CKCYF473Z50
	C989	ELECT. CAPACITOR	CEAS470M25
	C990	CERAMIC CAPACITOR	CKCYB103K50
	C991	ELECT. CAPACITOR	CEAS470M25
	C992	CERAMIC CAPACITOR	CKCYF473Z50
	C993	CERAMIC CAPACITOR	CCCSL151J50
	C995	MYLAR FILM CAPACITOR	CQMA562K50
	RESISTORS		
	R579, 580	CARBON FILM RESISTOR	RD1/4PM221J
	R590	CARBON FILM RESISTOR	RD1/4PM471J
⚠	R591	CARBON FILM RESISTOR	RD1/4PMFL3R9J
	R594	METALFILM RESISTOR	RN1/4PC3001F
	R595	METALFILM RESISTOR	RN1/4PC1002F
	R608	METALFILM RESISTOR	RN1/4PC2202F
⚠	R620	CARBON FILM RESISTOR	RD1/4PMFL3R9J
	R642	RESISTOR ARRAY (10K)	RA4T103J
	R645, 646	RESISTOR ARRAY (10K)	RA8T103J
	R680	RESISTOR ARRAY (15K)	RA8T153J
⚠	R687	CARBON FILM RESISTOR	RD1/4PMFL3R9J
		OTHER RESISTORS	RD1/8PM□□□J
	OTHERS		
	X451	CERAMIC OSCILLATOR (4.19MHz)	ASS1022
		MINI JACK	AKN-207
	● TUNER SECTION		
	SEMICONDUCTORS		
	IC351	OP-AMP IC	NJM4558LD
	IC352	US MPX DECODER IC	CXA1124AS
	Q353, 354	TRANSISTOR	2SC1740S
	Q355	TRANSISTOR	2SA933S
	Q356	TRANSISTOR	2SD438
	Q361	TRANSISTOR	2SA933S
	Q363, 364	TRANSISTOR	2SC1740S
	Q365	TRANSISTOR	2SA933S
	Q366	TRANSISTOR	2SC1740S
	Q367, 368	TRANSISTOR	XDC124ES

Mark	No.	Description	Part No.
	D351-360	DIODE	1SS252
	D361	ZENER DIODE	RD30ESB3
	D362	ZENER DIODE	RD5.6ESB2
	D363-372	DIODE	1SS252
COIL			
	L351	AXIAL INDUCTOR	LAU2R2J
CAPACITORS			
	C491-494	CERAMIC CAPACITOR	CCDSL101J50
	C495	CERAMIC CAPACITOR	CKDYB102K50
	C496	ELECT. CAPACITOR	CEAS102M16
	C497	CERAMIC CAPACITOR	CKDYF103Z50
	C498	ELECT. CAPACITOR	CEAS4R7M50
	C499	CERAMIC CAPACITOR	CKDYB471K50
	C500	MYLAR FILM CAPACITOR	CQMA563J50
	C501	ELECT. CAPACITOR	CEAS4R7M50
	C502	ELECT. CAPACITOR	CEASR47M50
	C503	MYLAR FILM CAPACITOR	CQMA562J50
	C504	MYLAR FILM CAPACITOR	CQMA123J50
	C505	ELECT. CAPACITOR	CEAS4R7M50
	C506	ELECT. CAPACITOR	CEANPR22M50
	C507	ELECT. CAPACITOR	CEAS470M25
	C508	CERAMIC CAPACITOR	CKDYF103Z50
	C509	MYLAR FILM CAPACITORTOR	CQMA272J50
	C510	ELECT. CAPACITOR	CEANP4R7M50
	C511	ELECT. CAPACITOR	CEAS100M50
	C512	CERAMIC CAPACITOR	CKCYB222K50
	C513	ELECT. CAPACITOR	CEJA2R2M50
	C514	ELECT. CAPACITOR	CEAS010M50
	C515	CERAMIC CAPACITOR	CKCYB222K50
	C516	ELECT. CAPACITOR	CEAS3R3M50
	C517	ELECT. CAPACITOR	CEAS2R2M50
	C518-520	ELECT. CAPACITOR	CEAS4R7M50
	C521	AUDIO FILM CAPACITOR	CFTXA473J50
	C522	ELECT. CAPACITOR	CEAS470M25
	C523	CERAMIC CAPACITOR	CKDYB102K50
	C524	MYLAR FILM CAPACITOR	CQMA103J50
	C525	CERAMIC CAPACITOR	CKCYX473M25
	C526, 527	ELECT. CAPACITOR	CEAS330M35
	C531	ELECT. CAPACITOR	CEAS2R2M50
	C533	ELECT. CAPACITOR	CEAS331M16
	C535, 536	MYLAR FILM CAPACITOR	CQMA104J50
	C539	ELECT. CAPACITOR	CEAS101M10
RESISTORS			
	VR351	SEMI-FIXED (10kΩ)	ACP1043
	VR352	SEMI-FIXED (4.7kΩ)	ACP1042
	VR353, 354	SEMI-FIXED (47kΩ)	ACP1045
⚠	R862	METAL OXIDE RESISTOR	RS2LMF560J
	R873	CARBON FILM RESISTOR	RD1/4PM471J
⚠	R876	CARBONFILM RESISTOR	RD1/2PMFL680J
	R885	METALFILM RESISTOR	RN1/4PC1202F
	R900	METALFILM RESISTOR	RN1/4PC7502F
	R901	METALFILM RESISTOR	RN1/4PC8201F
	R928	METALFILM RESISTOR	RN1/4PC6801F
	R929	METALFILM RESISTOR	RN1/4PC3301F
	R933	METALFILM RESISTOR	RN1/4PC4302F
	R939, 941	METALFILM RESISTOR	RN1/4PC4702F
⚠	R951	CARBON FILM RESISTOR	RD1/2PMFL5R6J
		OTHER RESISTORS	RD1/8PM□□□J
OTHERS			
		TV FRONT END & IF PACK	AXF1056
● AUDIO SECTION			
SEMICONDUCTORS			
	IC301	AUDIO IC	TA7630P
	IC302	AUDIO IC	LA4280-P
	Q301, 302	TRANSISTOR	2SC1740S
	Q303, 304	TRANSISTOR	2SC3327
	Q305, 306	TRANSISTOR	2SC1740S
	Q307	TRANSISTOR	2SA933S
	Q308	TRANSISTOR	2SC1740S
	D302-304	DIODE	1SS252
	D305, 306	ZENER DIODE	RD6.8ESB
	D307-315	DIODE	1SS252
	D316	ZENER DIODE	RD5.1ESB
	D317-320	DIODE	1SS252
	D321-326	ZENER DIODE	RD15ESB
	D341-344	DIODE	1SS252
SWITCH			
	S301	SLIDE SWITCH	ASH1004
COILS			
	L301, 302	COIL (1μH)	ATH-133
CAPACITORS			
	C431, 432	AUDIO FILM CAPACITOR	CFTXA154J50
	C433	ELECT. CAPACITOR	CEAS470M25
	C434, 435	CERAMIC CAPACITOR	CKCYB562K50
	C436, 437	AUDIO FILM CAPACITOR	CFTXA124J50
	C438	ELECT. CAPACITOR	CEAS470M25
	C439-442	ELECT. CAPACITOR	CEAS100M50
	C443	CERAMIC CAPACITOR	CKCYF473Z50
	C444	ELECT. CAPACITOR	CEAS222M16
	C445, 446	CERAMIC CAPACITOR	CKMYB561K50
	C447	ELECT. CAPACITOR	CEAS470M25
	C448, 449	ELECT. CAPACITOR	CEASR47M50
	C450	ELECT. CAPACITOR	CEAS100M50
	C451	CERAMIC CAPACITOR	CKMYB151K50
	C452	ELECT. CAPACITOR	CEAS330M35
	C453	ELECT. CAPACITOR	CEAS470M50
	C454	ELECT. CAPACITOR	CEAS2R2M50
	C455	ELECT. CAPACITOR	CEAS102M6
	C456	ELECT. CAPACITOR	CEAS2R2M50
	C457	ELECT. CAPACITOR	CEAS330M35
	C458	CERAMIC CAPACITOR	CKMYB151K50
	C459	ELECT. CAPACITOR	CEAS222M35
	C460	AUDIO FILM CAPACITOR	CFTXA124J50
	C461	CERAMIC CAPACITOR	CKCYF473Z50
	C462	ELECT. CAPACITOR	CEAS221M50
	C463	CERAMIC CAPACITOR	CKCYF473Z50
	C464	ELECT. CAPACITOR	CEAS471M50
	C465	ELECT. CAPACITOR	CEAS222M35
	C466	AUDIO FILM CAPACITOR	CFTXA124J50
	C467	ELECT. CAPACITOR	CEAS221M50
	C468	CERAMIC CAPACITOR	CKCYF473Z50

Mark	No.	Description	Part No.
	C469, 470	ELECT. CAPACITOR	CEAS010M50
	C472	CERAMIC CAPACITOR	CKCYF473Z50
	C485, 486	CERAMIC CAPACITOR	CKCYF473Z50
RESISTORS			
⚠	R785	CARBON FILM RESISTOR	RD1/4PMFL150J
	R817	CARBONFILM RESISTOR	RD1/2PM152J
⚠	R818	CARBON FILM RESISTOR	RD1/4PMFL100J
⚠	R819	CARBON FILM RESISTOR	RD1/4PMFL2R2J
	R821	CARBONFILM RESISTOR	RD1/2PM152J
⚠	R823	CARBON FILM RESISTOR	RD1/4PMFL2R2J
⚠	R825	CARBON FILM RESISTOR	RD1/4PMFL100J
		OTHER RESISTORS	RD1/8PM□□□J
OTHERS			
		2P PIN JACK	AKB1146
		SPEAKER TERMINAL4-P	AKE1012

LINE FILTER ASSEMBLY (AWT1010)

Mark	No.	Description	Part No.
COILS			
⚠	L111, 112	LINE FILTER	ATF1031
CAPACITORS			
⚠	C161, 162	FILM CAPACITOR(0.1μ/250V)	ACE-507
OTHERS			
⚠	FU111	FUSE(8A/125V)	AEK1002

☆ POWER SUPPLY ASSEMBLY (AWV1295)

Mark	No.	Description	Part No.
SEMICONDUCTORS			
	IC101, 102	PHOTOCOUPLER	ON3161-Q
	Q101	TRANSISTOR	2SA933S
	Q102-104	TRANSISTOR	2SC1740S
	Q105	TRANSISTOR	2SC3451(D)
	Q106	TRANSISTOR	2SB824
	Q107	TRANSISTOR	2SC1740S
	Q108	TRANSISTOR	2SC2705
	Q109	TRANSISTOR	2SD1276A
	Q110	TRANSISTOR	2SA933S
	Q111	TRANSISTOR	2SD1276A
	Q112	TRANSISTOR	2SC1740S
	Q151-153	TRANSISTOR	2SC1740S
	Q157	TRANSISTOR	2SC4256(E)
	Q158	TRANSISTOR	2SC1740S
	Q165	TRANSISTOR	2SA933S
	Q166	TRANSISTOR	2SC1740S
×NSP	Q167	TRANSISTOR	
	Q168	TRANSISTOR	2SA933S
	Q169	TRANSISTOR	2SA1145
×NSP	Q170	TRANSISTOR	
	Q171	TRANSISTOR	2SD1276A
	Q172	TRANSISTOR	2SA1145
	Q173	TRANSISTOR	2SC1740S
	Q174	TRANSISTOR	2SD1276A
	Q175	TRANSISTOR	2SC3332
	Q176	TRANSISTOR	2SC2705
⚠	Q177		2SC4747(D)
	Q186	TRANSISTOR	2SA1237
	Q187, 188	TRANSISTOR	2SC1740S
	Q189	TRANSISTOR	2SC1845
	Q190	TRANSISTOR	2SD1276A
	Q191	TRANSISTOR	2SB950A
⚠	D101	DIODE	RB604(A)
	D102, 103	DIODE	1SS145
	D104	ZENER DIODE	HZS6B1L
	D105, 106	DIODE	1SS145
	D107-113	DIODE	1SS252
	D114	DIODE	11DF1FD
	D115	DIODE	1SS252
	D116	DIODE	11DF1FD
	D117-119	DIODE	1SS252
	D120	ZENER DIODE	HZS6C2L
	D121	DIODE	1SS252
	D122	DIODE	RL2Z
	D123	DIODE	FMP-G12S
	D124, 125	DIODE	RL4Z(A)
	D126	DIODE	RG4A(A)
	D127	ZENER DIODE	HZS6A1L
	D128	ZENER DIODE	HZS6B1L
	D129	ZENER DIODE	HZS18-1L
	D130	ZENER DIODE	HZS6B1L
	D151, 152	DIODE	1SS252
	D153	ZENER DIODE	RD15ESB
	D155-157	DIODE	1SS252
×NSP	D158	ZENER DIODE	
	D159-161	DIODE	1SS252
	D163	DIODE	1SS252
	D165-167	DIODE	1SS252
	D168	DIODE	11DF2FD
	D169	DIODE	RG4A(A)
	D170	DIODE	CTU-G2DR
	D171	DIODE	ES1F
	D172	DIODE	RU1
	D173	ZENER DIODE	RD39ESB4
	D174	DIODE	ES1F
	D175-177	DIODE	1SS252
	D178	DIODE	ES1F
	D181-185	DIODE	1SS252
	D187	DIODE	1SS252
×NSP	D188	ZENER DIODE	
TRANSFORMERS AND COILS			
⚠	T101	POWER TRANSFORMER	ATT1194
	T102	CONVERTER TRANS	ATK1064
⚠×NSP	T151	CONVERTER TRANS	
⚠	T152	H. DRIVE TRANSFORMER	ATK1045
	L103	COIL	ATH-133
	L104-109	FERRITE BEAD	ATX-028
	L151	COIL	ATL1085
	L153	COIL	ATL1089
	L154	INDUCTOR	LTA272J

Mark	No.	Description	Part No.
RELAYS			
⚠	RY101	RELAY	ASR1036
	RY102	RELAY	ASR1027
CAPACITORS			
	C103	ELECT. CAPACITOR	CEAS102M25
	C104	CERAMIC CAPACITOR	CKCYF103Z50
⚠	C105, 106	FLM CAP. (6800P/250V)	ACE1009
	C107	ELECT. CAPACITOR	CEAS470M25
⚠	C108, 109	FLM CAP. (6800P/250V)	ACE1009
⚠	C110, 111	CKA (0.01μ/AC250V)	ACG-501
	C112	ELECT. CAPACITOR	CEAS100M50
⚠	C113, 114	CKA (0.01μ/AC250V)	ACG-501
	C115	ELECT. CAPACITOR	CEAS470M25
	C116	ELECTR. CAP. (470μ/200V)	ACH1147
	C117	ELECTR. CAP. (820μ/200V)	ACH1148
	C118	CKA (1000P/2KV)	ACG-040
	C119	ELECTR. CAP. (4.7μ/250V)	ACH-378
	C120	CERAMIC CAPACITOR	CCCSL221K500
	C121	AUDIO FILM CAPACITOR	CFTXA474J50
	C122	ELECTR. CAP. (47μ/100V)	ACH1132
	C123	CERAMIC CAPACITOR	CCCSL221K500
	C124	CKA (1000P/2KV)	ACG-040
	C125	CERAMIC CAPACITOR	CKCYF103Z50
	C126	CER. CAP. (3300P/2KV)	ACG1008
	C127	MYLAR FILM CAPACITOR	CQMA123J50
	C128	ELECT. CAPACITOR	CEAS010M50
	C129	ELECT. CAPACITOR	CEHAQ471M16
	C130-132	CERAMIC CAPACITOR	CCCSL221K500
	C133	CCA (100P/2KV)	ACG-032
	C134	ELECT. CAPACITOR	CEHAQ332M35
	C135	ELECT. CAPACITOR	CEHAQ222M35
	C136	ELECTR. CAP. (560μ/160V)	ACH1146
	C137	ELECT. CAPACITOR	CEHAQ222M50
	C138	ELECT. CAPACITOR	CEHAQ222M35
	C139	CERAMIC CAPACITOR	CKDYF103Z500
	C140, 141	CERAMIC CAPACITOR	CKCYF473Z50
	C142	ELECT. CAPACITOR	CEAS331M35
	C143	CERAMIC CAPACITOR	CKDYF103Z500
	C144	CERAMIC CAPACITOR	CKCYF473Z50
	C145, 146	ELECT. CAPACITOR	CEHAQ100M50
	C147	CERAMIC CAPACITOR	CKCYB681K50
	C148	ELECT. CAPACITOR	CEHAQ010M50
	C149	ELECT. CAPACITOR	CEHAQ100M50
	C150	ELECT. CAPACITOR	CEHAQ221M25
	C151	CERAMIC CAPACITOR	CKCYF473Z50
	C201	CERAMIC CAPACITOR	CKCYB103K50
	C202	CAPACITOR	CFPHW472H3D
	C203	MYLAR FILM CAPACITOR	CQMA104J50
	C207	ELECT. CAPLACIOR	CEHAQ010M50
	C208	MYLAR FILM CAPACITOR	CQMA683J50
	C209	CERAMIC CAPACITOR	CKCYF472Z500
	C210	MYLAR FILM CAPACITOR	CQMA333J50
	C211	CERAMIC CAPACITOR	CKCYF473Z50
	C213	MYLAR FILM CAPACITOR	CQMA223J50
	C214	ELECT. CAPACITOR	CEHAQ100M50
	C215	ELECT. CAPACITOR	CEHAQ221M25
	C216	ELECT. CAPACITOR	CEHAQ221M10
	C218	ELECT. CAPACITOR	CEHAQ331M16
	C219	CERAMIC CAPACITOR	CKCYF103Z50
	C220	CERAMIC CAPACITOR	CCCSL101K500
	C221	MYLAR FILM CAPACITOR	CQMA103J50
	C223	ELECT. CAPACITOR	CEHAQ100M50
	C224	ELECT. CAPACITOR	CEHAQ100M2C
	C225	ELECT. CAPACITOR	CEHAQ101M25
	C226	ELECT. CAPACITOR	CEHAQ221M10
	C227	CERAMIC CAPACITOR	CCCSL101K500
	C228	CERAMIC CAPACITOR	CKCYB222K500
	C229	CERAMIC CAPACITOR	CCCSL101K500
	C230	CERAMIC CAPACITOR	CKCYB102K500
	C231	ELECT. CAPLACIOR	CEHAQ010M50
	C232	ELE. CAP. (10μ/160V)	ACH1117
	C233	CERAMIC CAPACITOR	CKCYB102K50
	C234	CER. CAP. (680P/2KV)	ACG1024
	C235	ELECT. CAPACITOR	CEHAQ220M2C
	C236	ELECT. CAPACITOR	CEHAQ100M50
	C237	M. P. P. CAPACITOR	CFPHW153H3A
	C238	CAPACITOR	CFPHW123H3D
	C239	CAPACITOR	CFPMW824J2D
	C240	CERAMIC CAPACITOR	CKCYX104M16
⚠	C241	CAPACITOR	CFPMW105J2D
	C242	CERAMIC CAPACITOR	CKCYF473Z50
	C243	CERAMIC CAPACITOR	CKCYB182K500
	C244	ELECT. CAPACITOR	CEHAQ220M50
	C245, 246	CERAMIC CAP. (680P/2KV)	ACG1014
	C247	ELECT. CAPACITOR	CEAS4R7M50
	C248	CERAMIC CAPACITOR	CKCYF472Z500
	C249, 250	CERAMIC CAP. (470P/2KV)	ACG1014
	C251	ELECT. CAPACITOR	CEHAQ100M50
	C252	CERAMIC CAPACITOR	CCCSL151J50
	C253, 254	ELECT. CAPACITOR	CEHAQ471M35
	C255	ELECT. CAPACITOR	CEHAQ100M50
	C257	CERAMIC CAPACITOR	CKCYB122K50
	C258	CERAMIC CAPACITOR	CKCYB152K50
	C259	CERAMIC CAPACITOR	CCCSL151J50
	C260	CERAMIC CAPACITOR	CKCYB681K50
	C261	CERAMIC CAPACITOR	CKCYB331K50
	C262	ELECT. CAPACITOR	CEHAQ101M10
RESISTORS			
	VR101	SEMI-FIXED(1kΩ)	VRTS6VS102
×NSP	VR151	SEMI-FIXED	
×NSP	VR152	SEMI-FIXED	
	VR154	SEMI-FIXED(22kΩ)	VRTS6VS223
	VR181	SEMI-FIXED(470Ω)	VRTS6VS471
⚠	R102, 103	RESISTOR(2.2MΩ, 1/2W)	ACN-208
	R111, 113	RESISTOR (1.0Ω, 5W)	ACN1032
	R117	METAL OXIDE RESISTOR	RS1LMF473J
	R120, 121	METAL OXIDE RESISTOR	RS2LMFR33J
	R122	CARBON FILM RESISTOR	RD1/4PMFL101J

Mark	No.	Description	Part No.
	R123	RESISTOR(6.8, 10W)	RT10PD6R8K
	R124	METAL OXIDE RESISTOR	RS3LMF2R2J
	R125	CARBON FILM RESISTOR	RD1/4PMFL682J
	R126	METAL OXIDE RESISTOR	RS3LMF2R2J
	R127, 129	CARBONFILM RESISTOR	RD1/2PM241J
	R131	CARBONFILM RESISTOR	RD1/2PM101J
	R132	METALFILM RESISTER	RN1/4PC3601F
	R133, 135	METALFILM RESISTER	RN1/4PC1603F
	R136, 137	RESISTOR(18Ω, 10W)	RT10PD180K
	R142	METAL OXIDE RESISTOR	RS2LMF223J
	R143	METAL OXIDE RESISTOR	RS1LMF272J
	R144	RESISTOR (1.0Ω, 5W)	ACN1032
	R155	METALFILM RESISTER	RN1/4PC2101F
	R156	METALFILM RESISTER	RN1/4PC2431F
	R157	METAL OXIDE RESISTOR	RS1LMF120J
	R158	METAL OXIDE RESISTOR	RS3LMF181J
	R159	METAL OXIDE RESISTOR	RS2LMF4R7J
	R202	RESISTOR(330Ω, 5W)	RT5PD820K
	R203	METAL OXIDE RESISTOR	RS2LMF153J
	R204	CARBONFILM RESISTOR	RD1/2PM122J
	R205	CARBON FILM RESISTOR	RD1/2PMFL562J
	R207	RESISTOR(47Ω, 1/2W)	ACN-225
	R208	SOLID RESISTOR(33kΩ, 1/2W)	ACN1011
	R215	METAL OXIDE RESISTOR	RS2LMF153J
	R216, 217	METAL OXIDE RESISTOR	RS3LMF393J
	R221	METAL OXIDE RESISTOR	RS2LMF153J
×NSP	R235	METALFILM RESISTER	
×NSP	R237	CARBONFILM RESISTOR	
⚠	R238	CARBON FILM RESISTOR	RD1/4PMFL3R9J
×NSP	R250	CARBONFILM RESISTOR	
×NSP	R255	CARBONFILM RESISTOR	
×NSP	R264	CARBONFILM RESISTOR	
×NSP	R268	CARBONFILM RESISTOR	
	R271	CARBON FILM RESISTOR	RD1/4PMFL3R9J
⚠	R273	CARBON FILM RESISTOR	RD1/4PMFL3R9J
×NSP	R274	CARBONFILM RESISTOR	
	R276	RESISTOR(330Ω, 5W)	RT5PD820K
×NSP	R278	CARBONFILM RESISTOR	
⚠	R280	CARBON FILM RESISTOR	RD1/4PMFL470J
	R281	CARBON FILM RESISTOR	RD1/2PMFL222J
	R285	CARBON FILM RESISTOR	RD1/2PM361J
	R287	METAL OXIDE RESISTOR	RS3LMF682J
	R288	CARBON FILM RESISTOR	RD1/4PMFL471J
×NSP	R290	CARBONFILM RESISTOR	
×NSP	R291	METAL OXIDE RESISTOR	
	R292	RESISTOR (1.0Ω, 5W)	ACN1032
⚠	R293	CARBON FILM RESISTOR	RD1/4PMFL470J
⚠	R294	METAL OXIDE RESISTOR	RS1LMF220J
	R295	CARBON FILM RESISTOR	RD1/4PMFL2R2J
×NSP	R297	CARBONFILM RESISTOR	
	R298	CARBON FILM RESISTOR	RD1/2PM391J
	R299	METALFILM RESISTER	RN1/2PC3902F
	R300	METALFILM RESISTER	RN1/2PC3602F
	R304, 305	METAL OXIDE RESISTOR	RS1LMF331J
×NSP	R306	CARBONFILM RESISTOR	
	R308, 309	METAL OXIDE RESISTOR	RS1LMF010J
	R310-312	CARBON FILM RESISTOR	RD1/2PM101J
	R320	CARBON FILM RESISTOR	RD1/2PMFL562J
	R321	METAL OXIDE RESISTOR	RS2LMF010J
	R324, 325	METAL OXIDE RESISTOR	RS2LMF010J
		OTHER RESISTORS	RD1/8PM□□□J

OTHERS

	CN153-155	PLUG 6-P	AKM1072
		SHIELD COVER	ANH1166
		MICA SHEET	AEP-056

3.2 REMOTE CONTROL UNIT

AXD1292(CU-SD069)

AXD1292 (CU-SD069) and AXD1277 (CU-SD062) have the same construction except for the following :

Mark	Symbol & Description	Part No.	
		AXD1277	AXD1292
	Door	AZA1385	AZA1411
	Rubber sheet B	AZA1389	AZA1412
	Name sheet B	AZA1392	AZA1413

AXD1292 (CU-SD069) and AXD1277 (CU-SD062) have the same functions except for the following :

J1 and switch No.	Function	
	AXD1277	AXD1292
J1 (MODEL CHANGE) :P1A1	OFF	ON
SWITCH (K39)	STILL	——
SWITCH (K40)	STADIUM/SS	STILL

3.3 SCHEMATIC AND PCB DIAGRAMS

NOTE OF THE SCHEMATIC DIAGRAM

Note: (Type5)

1. When ordering service parts, be sure to refer to "PARTS LIST of EXPLODED VIEWS" or "PCB PARTS LIST".

2. Since these are basic circuits, some parts of them or the values of some components may be changed for improvement.

3. RESISTORS:
Unit: k:kΩ, M:MΩ, or Ω unless otherwise noted.
Rated power: 1/4W, 1/6W, 1/8W, 1/10W unless otherwise noted.
Tolerance:(F):±1%, (G):±2%, (K):±10%, (M):±20% or ±5% unless otherwise noted.

4. CAPACITORS:
Unit: p:pF or μF unless otherwise noted.
Ratings: capacitor (μF) / voltage (V) unless otherwise noted.
Rated voltage: 50V except for electrolytic capacitors.

5. COILS:
Unit: m:mH or μH unless otherwise noted.

6. VOLTAGE AND CURRENT:
: DC voltage (V) at no input signal unless otherwise noted.
Value in ( ) is DC voltage at color bar signal input state.
⇦ mA or ← mA : DC current at no input signal unless otherwise noted.

7. OTHERS
- ➡ : Signal route.
- ⊘ : Adjustment point.
- ▼(Red) : Measurement point.
- The ⚠ mark found on some component parts indicates the importance of the safety factor of the parts. Therefore, when replacing, be sure to use parts of identical designation.
- Parts marked by ☆ are important parts which relate to X-rays radiation. If any of these parts needs to be replaced, always replace with specified parts.
- Parts marked by × are important parts which relate to X-rays radiation. If a failure occurs in any of these parts, replace the printed circuit board assembly where the relevant part has already been adjusted as a working component. Do not replace the actual part itself. If any part marked by × is replaced, there is danger of being exposed to X-rays.

▒▒ CHARGED SECTION

NOTE OF THE PCB PATTERNS

NOTE

1. This P.C.B connection diagram is viewed from the parts mounted side.
2. The parts which have been mounted on the board can be replaced with those shown with the corresponding wiring symbols listed in the following Table.

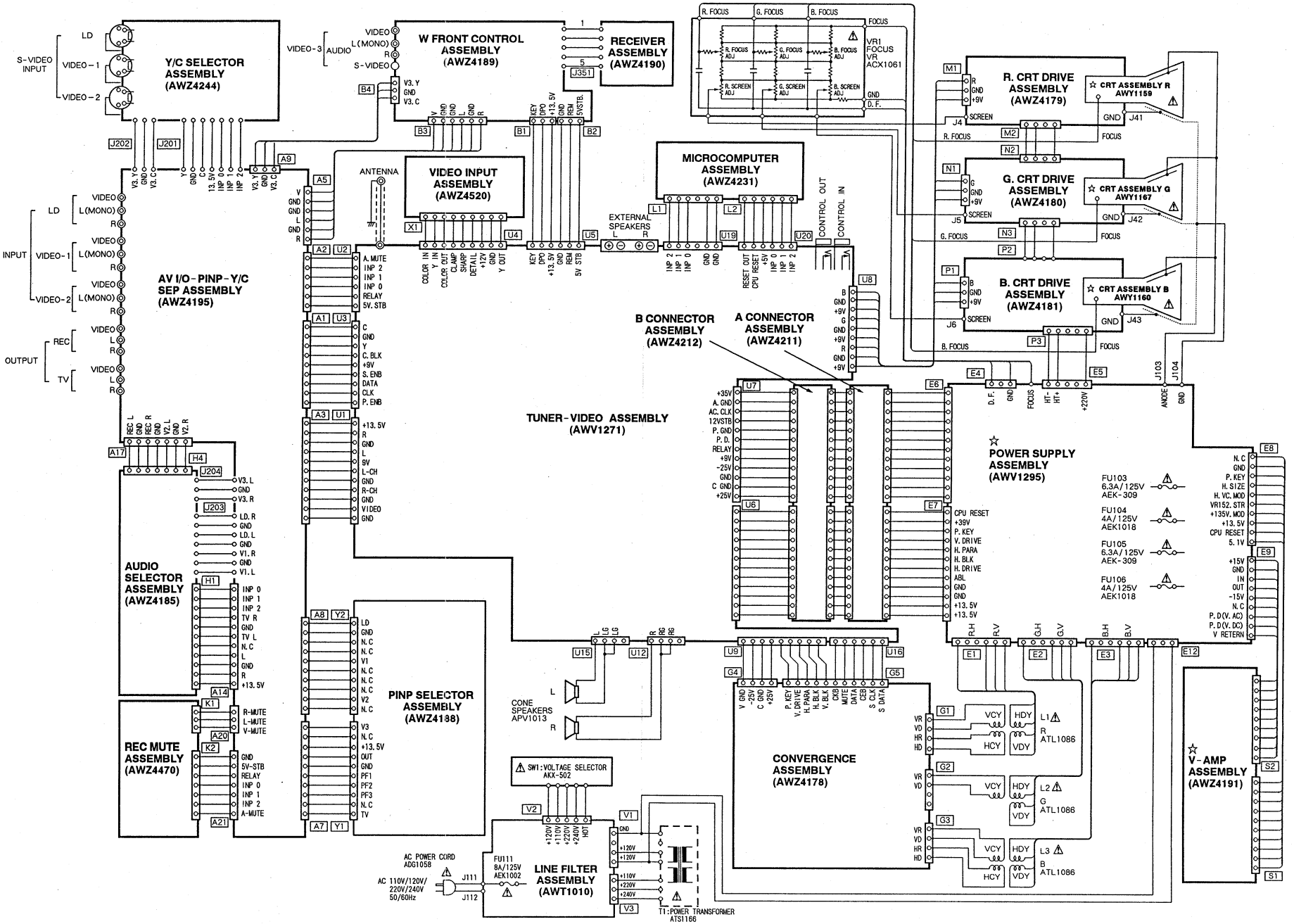
P.C.B. pattern diagram indication	Corresponding part symbol	Part Name
Q504 E	Q504 or Q504 E	Transistor
Q215	Q215 or Q215	Radiator type transistor
D203	D203	Diode
R237	R237	Resistor
C513	C513	Capacitor (Polarity)
C518	C518	Capacitor (Non-polarity)

Others

P.C.B. pattern diagram indication	Part Name
IC	IC
S	Switch
RY	Relay
L	Coil
F	Filter
VR	Variable resistor or Semi-fixed resistor

3. The capacitor terminal marked with ◎(double circles) shows negative terminal.
4. The diode terminal marked with ◎(double circles) shows cathode side.
5. The transistor terminal to which E is affixed shows the emitter.

(1) OVERALL WIRING DIAGRAM

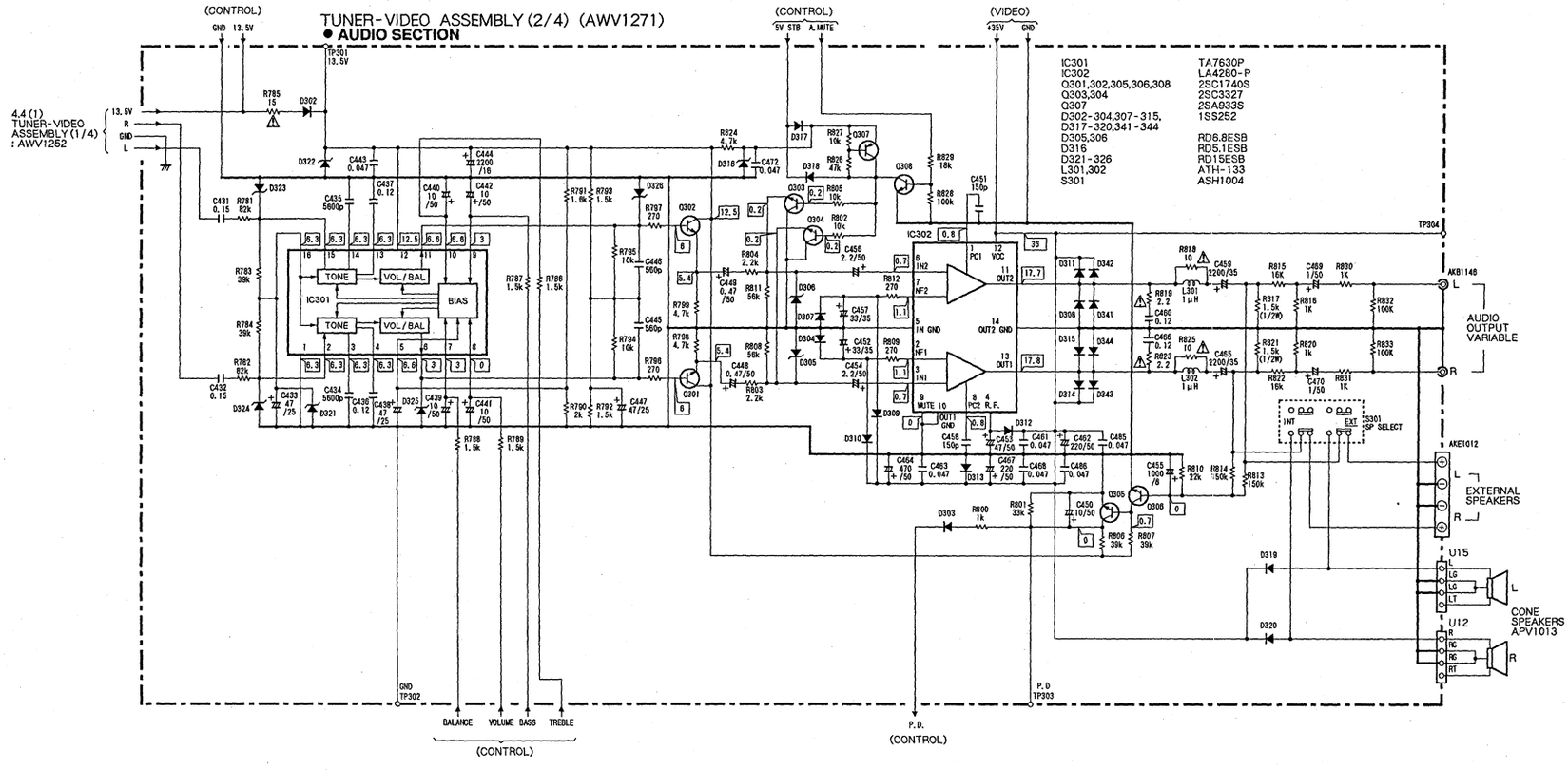


(2) TUNER-VIDEO ASSEMBLY (2/4 : AUDIO SECTION)

Note : Schematic diagrams of AWV1271 (1/4 : TUNER SECTION and 3/4 : VIDEO SECTION) are the same as those of AWV1252 (1/4 : TUNER SECTION and 3/4 : VIDEO SECTION), refer to service manual ARP2564 for Electrical information.

Note: Abbreviation listed indicate circuit connections.

VIDEO	: 4.4(3)① TUNER-VIDEO ASSEMBLY(3/4): AWV1252
CONTROL	: (3) TUNER-VIDEO ASSEMBLY(4/4) in this service manual



: DC voltage (V) at belows measuring condition.
Video signal : Color bar input
Audio signal : No input
VOL : 0

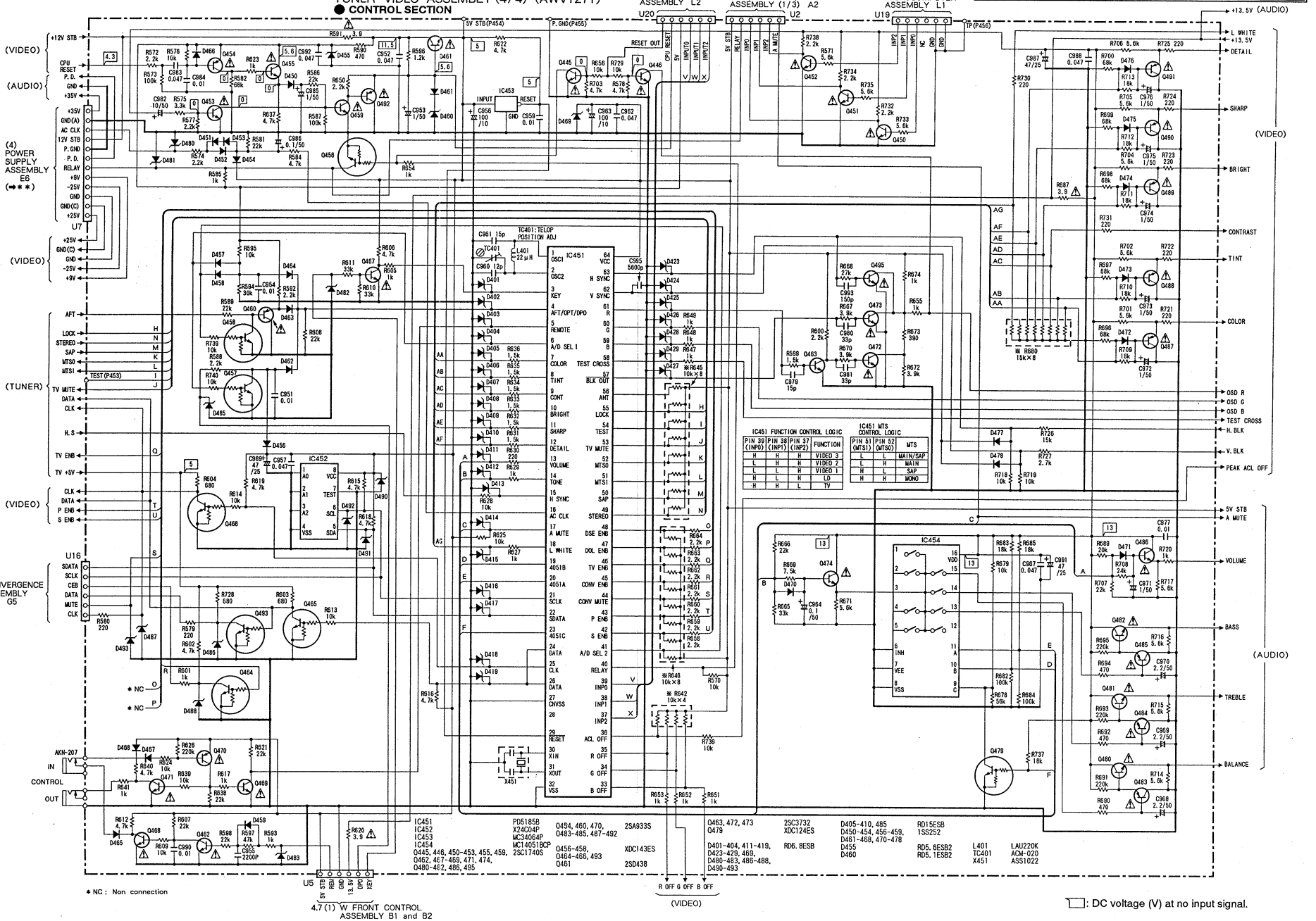
Note: Abbreviation listed indicate circuit connections.

TUNER	: 4.4 (1)	TUNER-VIDEO ASSEMBLY(1/4) : AWV1252
AUDIO	: (2)	TUNER-VIDEO ASSEMBLY(2/4) in this manual
VIDEO	: 4.4 (3) ①	TUNER-VIDEO ASSEMBLY(3/4) : AWV1252
(➡＊＊)		: Circuits in this service manual

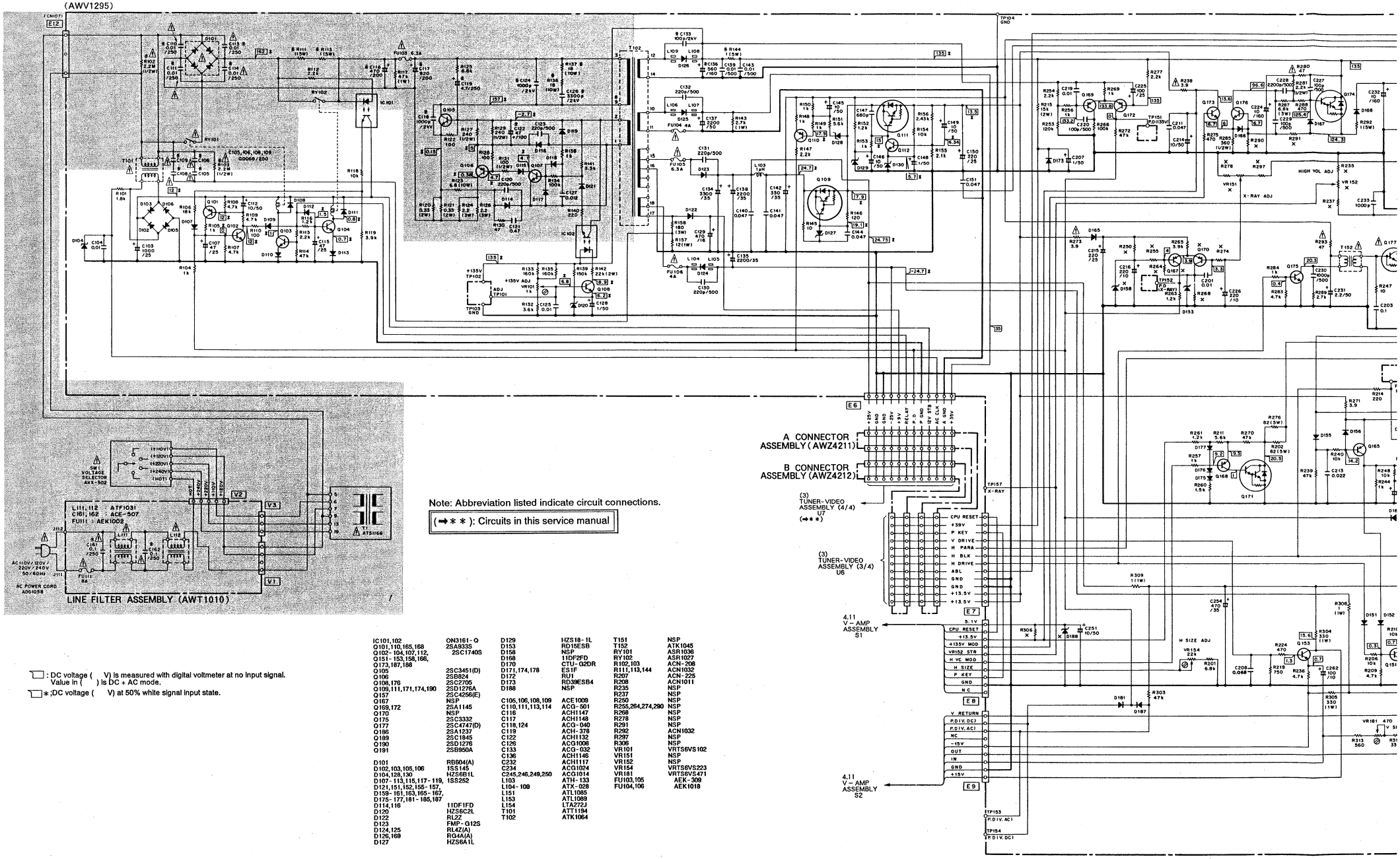
(3) TUNER-VIDEO ASSEMBLY (4/4 : CONTROL SECTION)

TUNER-VIDEO ASSEMBLY (4/4) (AWV1271)

● CONTROL SECTION



☆ POWER SUPPLY ASSEMBLY
(AWV1295)



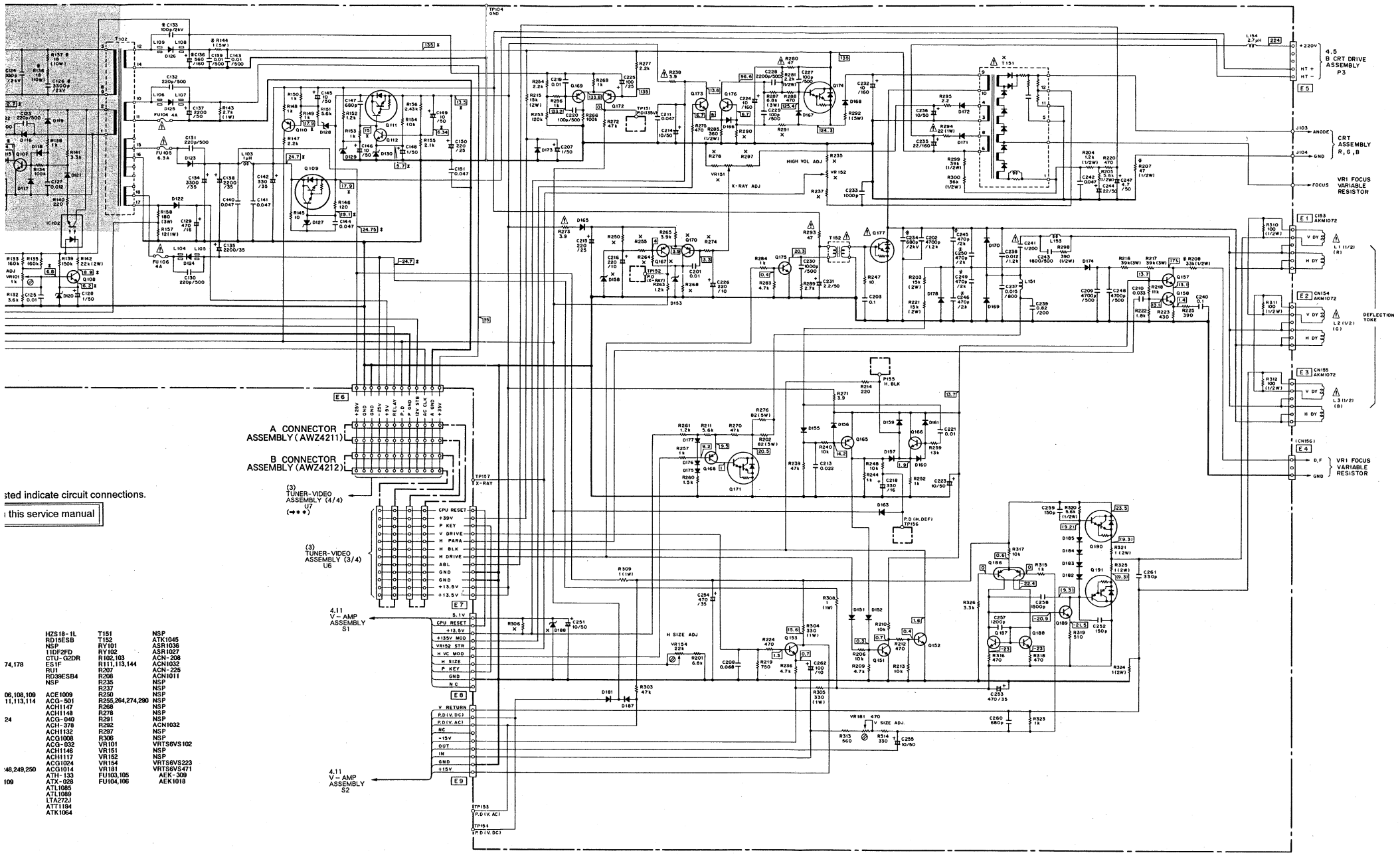
Note: Abbreviation listed indicate circuit connections.

(➡ * *): Circuits in this service manual

: DC voltage (V) is measured with digital voltmeter at no input signal.
Value in ( ) is DC + AC mode.

*;DC voltage (V) at 50% white signal input state.

IC101,102	ON3161-Q	D129	HZS18-1L	T151	NSP
Q101,110,165,168	2SA933S	D153	RD15ESB	T152	ATK1045
Q102-104,107,112,	2SC1740S	D158	NSP	RY101	ASR1036
Q151-153,158,166,		D168	1ID2F6D	RY102	ASR1027
Q173,187,188		D170	CTU-02DR	R102,103	ACN-208
Q105	2SC3451(D)	D171,174,178	ES1F	R111,113,144	ACN1032
Q106	2SB824	D172	RU1	R207	ACN-225
Q106,176	2SC2705	D173	RD39ESB4	R208	ACN1011
Q109,111,171,174,190	2SD1276A	D188	NSP	R235	NSP
Q157	2SC4256(E)			R237	NSP
Q167	NSP	C105,106,108,109	ACE1009	R250	NSP
Q169,172	2SA1145	C110,111,113,114	ACG-501	R255,264,274,280	NSP
Q170	NSP	C116	ACH1147	R268	NSP
Q175	2SC3332	C117	ACH1148	R278	NSP
Q177	2SC4747(D)	C118,124	ACG-040	R291	NSP
Q186	2SA1237	C119	ACH-378	R292	ACN1032
Q189	2SC1845	C122	ACH1132	R297	NSP
Q190	2SD1276	C126	ACG1006	R306	NSP
Q191	2SB950A	C133	ACG-032	VR101	VRTS6VS102
		C136	ACH1146	VR151	NSP
D101	RB604(A)	C232	ACH1117	VR152	NSP
D102,103,105,106	1SS145	C234	ACG1024	VR154	VRTS6VS223
D104,128,130	HZS6B1L	C245,246,249,250	ACG1014	VR181	VRTS6VS471
D107-113,115,117-119,	1SS252	L103	ATH-133	FU103,105	AEK-309
D121,151,152,155-157,		L104-109	ATX-028	FU104,106	AEK1018
D159-161,163,165-167,		L151	ATL1085		
D175-177,181-185,187		L153	ATL1089		
D114,116	1IDF1FD	L154	LTA272J		
D120	HZS6C2L	T101	ATT1194		
D122	RL2Z	T102	ATK1064		
D123	FMP-G12S				
D124,125	RL4Z(A)				
D126,169	RG4A(A)				
D127	HZS6A1L				



sted indicate circuit connections.

this service manual

	HZS18-1L	T151	NSP
	RD15ESB	T152	ATK1045
	NSP	RY101	ASR1036
	11DF2FD	RY102	ASR1027
	CTU-G2DR	R102,103	ACN-208
74,178	ES1F	R111,113,144	ACN1032
	RU1	R207	ACN-225
	RD39ESB4	R208	ACN1011
	NSP	R235	NSP
		R237	NSP
06,108,109	ACE1009	R250	NSP
11,113,114	ACG-501	R255,264,274,290	NSP
	ACH1147	R268	NSP
	ACH1148	R278	NSP
24	ACG-040	R291	NSP
	ACH-378	R292	ACN1032
	ACH1132	R297	NSP
	ACG1008	R306	NSP
	ACG-032	VR101	VRTS6VS102
	ACH1148	VR151	NSP
	ACH1117	VR152	NSP
	ACG1024	VR154	VRTS6VS223
46,249,250	ACG1014	VR181	VRTS6VS471
	ATH-133	FU103,105	AEK-309
109	ATX-028	FU104,106	AEK1018
	ATL1085		
	ATL1088		
	LTA272J		
	ATT1194		
	ATK1064		